

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/686,490D
Source: IFID
Date Processed by STIC: 3-25-05

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 03/25/2005

PATENT APPLICATION: US/10/686,490D

TIME: 08:16:07

Input Set : A:\35991.ST25-US.rtf - sequence listing.txt
 Output Set: N:\CRF4\03252005\J686490D.raw

3 <110> APPLICANT: Bayer Aktiengesellschaft
 W--> 4 <120> TITLE OF INVENTION: Anti-Kazlauskas-Lipases
 W--> 5 <130> FILE REFERENCE: LeA 35 991
 C--> 6 <140> CURRENT APPLICATION NUMBER: US/10/686,490D
 C--> 6 <141> CURRENT FILING DATE: 2003-10-15
 W--> 6 <160> NUMBER OF SEQ ID: 2
 7 <170> SOFTWARE: PatentIn version 3.1
 9 <210> SEQ ID NO: 1
 10 <211> LENGTH: 885
 11 <212> TYPE: DNA
 12 <213> ORGANISM: unknown
 W--> 13 <220> FEATURE:
 14 <221> NAME/KEY: CDS
 15 <222> LOCATION: (1)..(885)
 16 <223> OTHER INFORMATION: bacterial
 18 <400> SEQUENCE: 1
 19 atg gca cag gtg aag gcc aac ggc att acc ctc gag tat gaa gag cag 48
 20 Met Ala Gln Val Lys Ala Asn Gly Ile Thr Leu Glu Tyr Glu Glu Gln
 21 1 5 10 15
 23 ggc cat cgc cac cat ccg tcc atg ctc ctc att atg ggc ctg ggc ggc 96
 24 Gly His Arg His His Pro Ser Met Leu Leu Ile Met Gly Leu Gly Gly
 25 20 25 30
 27 cag tta atc gac tgg ccc gag gag ttc atc cgg ggg ctg gct gaa cga 144
 28 Gln Leu Ile Asp Trp Pro Glu Glu Phe Ile Arg Gly Leu Ala Glu Arg
 29 35 40 45
 31 ggc ttc cgg gta atc tgt ttc gac aac cgc gac gcg ggg ctt tcg acg 192
 32 Gly Phe Arg Val Ile Cys Phe Asp Asn Arg Asp Ala Gly Leu Ser Thr
 33 50 55 60
 35 aaa ctt gaa ggc gtg aaa aaa ccg aac att gcc cgg gta ttt ctc ctg 240
 36 Lys Leu Glu Gly Val Lys Lys Pro Asn Ile Ala Arg Val Phe Leu Leu
 37 65 70 75 80
 39 gcg agc atg ggc cta aag ccc agg gtg cct tac acc ctc gac gac atg 288
 40 Ala Ser Met Gly Leu Lys Pro Arg Val Pro Tyr Thr Leu Asp Asp Met
 41 85 90 95
 43 gcc ctg gac acc gtc atg gat gac ctg ggc att gag agc acc 336
 44 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
 45 100 105 110
 47 cac gta gtt ggc gtc tcc atg ggc atg att gac cag att cta ggg 384
 48 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
 49 115 120 125
 51 gcg aag cac ggg gag cgg gtg aaa tcc ctt acc ctg atg att acc tcc 432
 52 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
 53 130 135 140

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55	tcc	ggc	aac	ccc	cgc	atg	ccg	gcg	ccc	agg	ccg	cag	gtg	ctg	caa	aag	480
56	Ser	Gly	Asn	Pro	Arg	Met	Pro	Ala	Pro	Arg	Pro	Gln	Val	Leu	Gln	Lys	
57	145					150				155						160	
59	ttt	atg	cg	gtg	ccc	aag	agc	atg	gat	aag	gaa	gag	tgg	att	aaa	tac	528
60	Phe	Met	Arg	Val	Pro	Lys	Ser	Met	Asp	Lys	Glu	Glu	Trp	Ile	Lys	Tyr	
61						165				170						175	
63	aac	ttg	gag	ctt	tta	acc	acc	atc	ggc	agc	ccc	ggg	ttg	gac	cg	gag	576
64	Asn	Leu	Glu	Leu	Leu	Thr	Thr	Ile	Gly	Ser	Pro	Gly	Leu	Asp	Arg	Glu	
65						180				185						190	
67	aag	ctg	gcc	tta	gac	gtg	agg	aag	agc	ata	gag	cg	tgc	ctt	tgc	ccc	624
68	Lys	Leu	Ala	Leu	Asp	Val	Arg	Lys	Ser	Ile	Glu	Arg	Cys	Leu	Cys	Pro	
69						195				200						205	
71	gaa	ggc	acg	cag	cg	ctg	gca	gcc	atc	ctg	cag	agc	ggc	agc	agg	672	
72	Glu	Gly	Thr	Gln	Arg	Gln	Leu	Ala	Ala	Ile	Leu	Gln	Ser	Gly	Ser	Arg	
73						210				215						220	
75	gtg	aag	ctg	ctc	cg	atc	gct	gtc	ccc	acc	ctg	gtc	atc	agc	ggg	720	
76	Val	Lys	Leu	Leu	Arg	Arg	Ile	Ala	Val	Pro	Thr	Leu	Val	Ile	Ser	Gly	
77						225				230						235	240
79	g	cg	gaa	gat	ccc	ctc	ctg	ccg	tac	cag	tgc	ggc	cg	gac	att	ggc	768
80	Ala	Glu	Asp	Pro	Leu	Leu	Pro	Tyr	Gln	Cys	Gly	Arg	Asp	Ile	Ala	Asp	
81						245				250						255	
83	cat	atc	ccg	gga	ggc	cg	t	tc	gag	ctc	atc	gag	ggc	atg	ggg	cac	816
84	His	Ile	Pro	Gly	Ala	Arg	Phe	Glu	Leu	Ile	Glu	Gly	Met	Gly	His	Asp	
85						260				265						270	
87	att	ccc	gag	cg	cac	atc	ccc	cg	ctg	att	gag	ctc	atc	ggc	ggg	cac	864
88	Ile	Pro	Glu	Arg	His	Ile	Pro	Arg	Leu	Ile	Glu	Leu	Ile	Ala	Gly	His	
89						275				280						285	
91	gcc	g	cg	g	cc	g	aa	g	ct	ta							885
92	Ala	Ala	Ala	Ala	Glu	Ala											
93						290											
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97	<211>	LENGTH:	294														
98	<212>	TYPE:	PRT														
99	<213>	ORGANISM:	unknown														
101	<220>	FEATURE:															
102	<223>	OTHER INFORMATION:	bacterial														
104	<400>	SEQUENCE:	2														
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107	1				5					10						15	
110	Gly	His	Arg	His	His	Pro	Ser	Met	Leu	Leu	Ile	Met	Gly	Leu	Gly		
111					20					25						30	
114	Gln	Leu	Ile	Asp	Trp	Pro	Glu	Glu	Phe	Ile	Arg	Gly	Leu	Ala	Glu	Arg	
115					35					40						45	
118	Gly	Phe	Arg	Val	Ile	Cys	Phe	Asp	Asn	Arg	Asp	Ala	Gly	Leu	Ser	Thr	
119					50					55						60	
122	Lys	Leu	Glu	Gly	Val	Lys	Lys	Pro	Asn	Ile	Ala	Arg	Val	Phe	Leu	Leu	
123	65				70					75						80	
126	Ala	Ser	Met	Gly	Leu	Lys	Pro	Arg	Val	Pro	Tyr	Thr	Leu	Asp	Asp	Met	
127					85					90						95	

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130 Ala Leu Asp Thr Val Gly Leu Met Asp Ala Leu Gly Ile Glu Ser Thr
131 100 105 110
134 His Val Val Gly Val Ser Met Gly Gly Met Ile Ala Gln Ile Leu Gly
135 115 120 125
138 Ala Lys His Gly Glu Arg Val Lys Ser Leu Thr Leu Met Ile Thr Ser
139 130 135 140
142 Ser Gly Asn Pro Arg Met Pro Ala Pro Arg Pro Gln Val Leu Gln Lys
143 145 150 155 160
146 Phe Met Arg Val Pro Lys Ser Met Asp Lys Glu Glu Trp Ile Lys Tyr
147 165 170 175
150 Asn Leu Glu Leu Leu Thr Thr Ile Gly Ser Pro Gly Leu Asp Arg Glu
151 180 185 190
154 Lys Leu Ala Leu Asp Val Arg Lys Ser Ile Glu Arg Cys Leu Cys Pro
155 195 200 205
158 Glu Gly Thr Gln Arg Gln Leu Ala Ala Ile Leu Gln Ser Gly Ser Arg
159 210 215 220
162 Val Lys Leu Leu Arg Arg Ile Ala Val Pro Thr Leu Val Ile Ser Gly
163 225 230 235 240
166 Ala Glu Asp Pro Leu Leu Pro Tyr Gln Cys Gly Arg Asp Ile Ala Asp
167 245 250 255
170 His Ile Pro Gly Ala Arg Phe Glu Leu Ile Glu Gly Met Gly His Asp
171 260 265 270
174 Ile Pro Glu Arg His Ile Pro Arg Leu Ile Glu Leu Ile Ala Gly His
175 275 280 285
178 Ala Ala Ala Ala Glu Ala
179 290

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/686,490D

DATE: 03/25/2005

TIME: 08:16:08

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Output Set: N:\CRF4\03252005\J686490D.raw

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L:5 M:283 W: Missing Blank Line separator, <130> field identifier
L:6 M:270 C: Current Application Number differs, Replaced Current Application No
L:6 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:6 M:283 W: Missing Blank Line separator, <160> field identifier
L:13 M:283 W: Missing Blank Line separator, <220> field identifier